2005 Article Index

The year in review

The following is a listing of all technical articles, features and news items that appeared in *Wire Journal International* during calendar year 2005. Items are arranged by categories.

Companies may arrange for reprints by contacting the WAI headquarters at tel. 203-453-2777; fax 203-453-8384.

2005 WJI Cover Stories

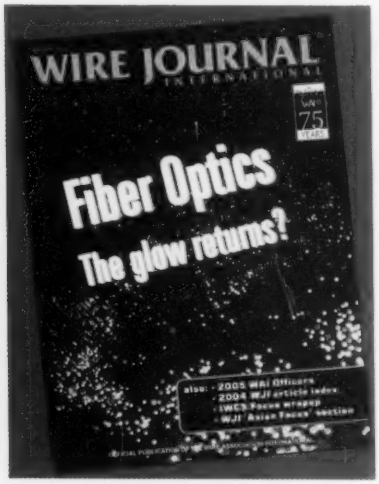
Jan.: "Fiber Optics: the glow returns?" *p. 42.*

Feb.: "Compounds, colorants & mixers," *p. 38.*

March: "Interwire 2005," *p. 39.*

April: "Furnaces," *p. 98.*

May: "Dies and lubricants," *p. 38.*



June: "Controls & Software," *p. 36.*

July: "Equipment: Part 1," *p. 76.*

Aug.: "Prague 2005 preview," *p. .60.*

Sept.: "Equipment: Part 2," *p. .46.*

Oct.: "Industry Trends: Part 1," *p. 56..*

Nov.: "WAI 75th Anniversary," *p. 46.*
"Testing & Measuring Equipment, *p. 54*

Dec.: "Industry Trends: Part 2," *p. 46..*

Asian Focus

Weakening US dollar a concern for Asian countries, *Jan., p. 20.*

Regional Profile: Orissa, India, *Jan., p. 22.*

Free trade agreement kindles hopes and concerns, *Feb., p. 16*

Regional Profile: Guangdong Province, China, *Feb., p. 17.*

Tsunami follow-up: tragedy is far too familiar, *March, p. 22.*

Regional Profile: Taiwan, *March, p. 24.*

Containers::the Chinese connection, *April, p. 26.*

Profile: Vietnam's Ngo Han Magnet Wire Joint Stock Company, *April, p. 27.*

Profile: Dong Nai Province, *April, p. 27.*

Chinese civil aviation: sector is flying high, *May 2005, p. 22.*

Profile: Hong Kong's LTK Industries Ltd., *May 2005, p. 24.*

Chinese made cars may soon be driving west, *June, p. 20.*

Wire show in India reflects opportunity, challenges, *June, p. 21.*

Company profile: Leoni AG in China, *June, p. 22.*

Enough 'juice' is the overpowering key for Vietnam, *July, p. 28.*

Profile: Runckle & Associates, *July, p. 29.*

Unocal bid a sign of things to come for the U.S., *August, p. 22.*

Profile: Meet China's 'Iron Lady,' *August, p. 23.*

A different approach to steel price controls, *Sept., p. 24.*

Company profile: India's Viraj Group, *Sept., p. 25.*

Russia and China pursue 'strategic partnership,' *Oct., p. 20.*

Asia outsourcing: China, India and Southeast Asia, *Oct., p. 22.*

Location, location, location: Asian comparisons, *Nov., p. 22.*

U.S. dollar a potential risk to developing Asian countries, *Dec., p. 18.*

ICA China CEO seeks to lead country to greater efficiencies, *Dec., p. 19.*

Chapter Corner

(See WAI Chapter Corner)

Conferences/Exhibitions

IWCS/Focus wrapup, *Jan., p. 40.*

Interwire 2005 preview, *March, p. 39*

Update: Interwire 2005, *April, p. 39*

IFFI 2005 preview, *May, p. 36*

Wire Expo India wrapup, *June, p. 31.*

Interwire 2005 wrapup, *July, p. 54*

wire Moscow 2005 wrapup, *August, p. 46.*

wire Singapore 2005 preview, *August, p. 48.*

Prague 2005 preview, *August, p. 60.*

IWCS/Focus preview, *October, p. 48.*

wire Singapore 2005 wrapup, *Nov., p. 42.*

Wire Prague wrapup, *Dec., p. 36.*

Fastener Update

IFI to offer GD&T guide at seminars, *Jan., p. 29.*

Anixter to focus on branding, *Jan., p. 29.*

Framework, schedule for Fastener Week '05 announced, *Feb., p. 27.*

Penn Engineering agrees to be acquired by investment firm, *March, p. 30.*

2005 Article Index

The year in review

The following is a listing of all technical articles, features and news items that appeared in *Wire Journal International* during calendar year 2005. Items are arranged by categories.

Companies may arrange for reprints by contacting the WAI headquarters at tel. 203-453-2777; fax 203-453-8384.

2005 WJI Cover Stories

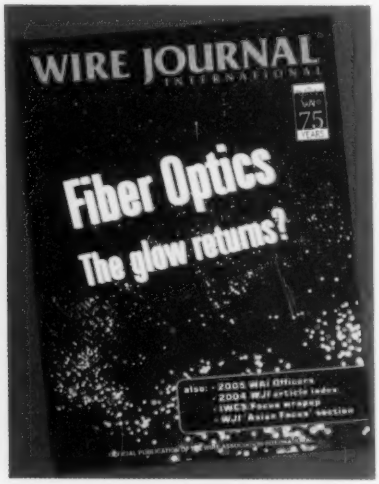
Jan.: "Fiber Optics: the glow returns?" *p. 42.*

Feb.: "Compounds, colorants & mixers," *p. 38.*

March: "Interwire 2005," *p. 39.*

April: "Furnaces," *p. 98.*

May: "Dies and lubricants," *p. 38.*



June: "Controls & Software," *p. 36.*

July: "Equipment: Part 1," *p. 76.*

Aug.: "Prague 2005 preview," *p. .60.*

Sept.: "Equipment: Part 2," *p. .46.*

Oct.: "Industry Trends: Part 1," *p. 56..*

Nov.: "WAI 75th Anniversary," *p. 46.*
"Testing & Measuring Equipment, *p. 54*

Dec.: "Industry Trends: Part 2," *p. 46..*

Asian Focus

Weakening US dollar a concern for Asian countries, *Jan., p. 20.*

Regional Profile: Orissa, India, *Jan., p. 22.*

Free trade agreement kindles hopes and concerns, *Feb., p. 16*

Regional Profile: Guangdong Province, China, *Feb., p. 17.*

Tsunami follow-up: tragedy is far too familiar, *March, p. 22.*

Regional Profile: Taiwan, *March, p. 24.*

Containers::the Chinese connection, *April, p. 26.*

Profile: Vietnam's Ngo Han Magnet Wire Joint Stock Company, *April, p. 27.*

Profile: Dong Nai Province, *April, p. 27.*

Chinese civil aviation: sector is flying high, *May 2005, p. 22.*

Profile: Hong Kong's LTK Industries Ltd., *May 2005, p. 24.*

Chinese made cars may soon be driving west, *June, p. 20.*

Wire show in India reflects opportunity, challenges, *June, p. 21.*

Company profile: Leoni AG in China, *June, p. 22.*

Enough 'juice' is the overpowering key for Vietnam, *July, p. 28.*

Profile: Runckle & Associates, *July, p. 29.*

Unocal bid a sign of things to come for the U.S., *August, p. 22.*

Profile: Meet China's 'Iron Lady,' *August, p. 23.*

A different approach to steel price controls, *Sept., p. 24.*

Company profile: India's Viraj Group, *Sept., p. 25.*

Russia and China pursue 'strategic partnership,' *Oct., p. 20.*

Asia outsourcing: China, India and Southeast Asia, *Oct., p. 22.*

Location, location, location: Asian comparisons, *Nov., p. 22.*

U.S. dollar a potential risk to developing Asian countries, *Dec., p. 18.*

ICA China CEO seeks to lead country to greater efficiencies, *Dec., p. 19.*

Chapter Corner

(See WAI Chapter Corner)

Conferences/Exhibitions

IWCS/Focus wrapup, *Jan., p. 40.*

Interwire 2005 preview, *March, p. 39*

Update: Interwire 2005, *April, p. 39*

IFFI 2005 preview, *May, p. 36*

Wire Expo India wrapup, *June, p. 31.*

Interwire 2005 wrapup, *July, p. 54*

wire Moscow 2005 wrapup, *August, p. 46.*

wire Singapore 2005 preview, *August, p. 48.*

Prague 2005 preview, *August, p. 60.*

IWCS/Focus preview, *October, p. 48.*

wire Singapore 2005 wrapup, *Nov., p. 42.*

Wire Prague wrapup, *Dec., p. 36.*

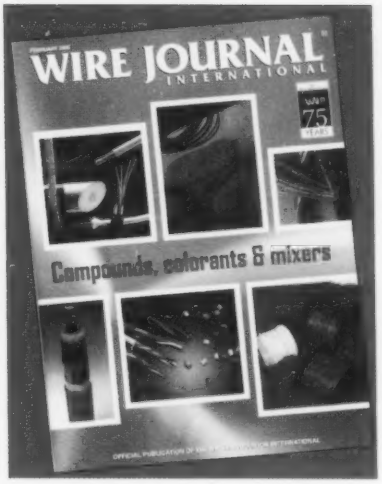
Fastener Update

IFI to offer GD&T guide at seminars, *Jan., p. 29.*

Anixter to focus on branding, *Jan., p. 29.*

Framework, schedule for Fastener Week '05 announced, *Feb., p. 27.*

Penn Engineering agrees to be acquired by investment firm, *March, p. 30.*



Fastener Fair to change to bigger hall in Stuttgart, *March, p. 30.*

Precision Castparts Corp. acquires AIC, *March, p. 30.*

STAFDA convention to feature Colin Powell as speaker, *April, p. 38.*

Merrifield leaves NFDA, *April, p. 38.*

Study: U.S. industrial fastener market up through 2009, *May; p. 30.*

Textron reports its first use of 'intelligent' fastening system, *June, p. 30.*

IFI names two new officers, *June, p. 30.*

Anixter to buy Infast Group Plc, *July; p. 40.*

IFI awards industry contributors, *July; p. 40.*

Fastener Fair event organizers report growing event interest, *July; p. 40.*

Fiber Watch

Alcatel test achieves terabit performance, *Jan., p. 26.*

More U.S. cities have FTTH, *Jan., p. 26.*

Study predicts 'triple play' will fuel fiber outlook, *Jan., p. 26.*

Alcatel reports FTTU 'triple play' contract from Brazil, *Feb., p. 24.*

Corning has high hopes for FTTX, *March, p. 28.*

Cable: limited combustible 1st, *March, p. 28.*

Verizon: more FTTP rollout, *March, p. 28.*

Alcatel reports major contract, *April, p. 36.*

Corning reports FTTH contract, *April, p. 36.*

2005 POF to have wide range, *May; p. 28.*

Verizon continues fiber expansion, *June, p. 28.*

TIA issues new fiber standard, *June, p. 28.*

Fiber good for 1310, 1550, *June, p. 28.*

Materials reduce costs for LWPF, *July p. 38.*

Pirelli notes Chinese fiber contract, *July p. 38.*

Report projects steady growth for installed cable fiber through 2009, *July p. 38.*

Industry News: January

General Cable to buy U..S. Draka unit, *p. 10.*

NKT Cables to sell unit to Elektrokoppar Svenska, *p. 10.*

Anixter expands Asian presence, *p. 10.*

SMI reports gains for North American spring industry, concerns over materials, *p. 10.*

Gitto Global sold to Springfield firm, *p. 11.*

Charter Steel to build steel melt site, *p. 11.*

Furnace commissioned by Outokumpu in Brazil offers record capacity, *p. 11.*

SKET supplies strander to Bridon American, notes other orders, *p. 12.*

Continuus notes new name, line start, *p. 12.*

Michigan Spring adds jobs, expands, *p. 12.*

Delphi-Furukawa driven by Toyota, *p. 12.*

Be aware of ETL, *p. 12.*

Proton Products names Weber & Scher as U.S. agent, *p. 12.*

SYSTIMAX Solutions reports cabling solution that supports 10 G/Ethernet, *p. 14.*

Morlan notes 50th year, *p. 14.*

Two industry a team up for business, *p. 14.*

Event for wire & cable and tube & pipe sectors to be held in Stuttgart this year, *p. 15.*

Morgan Con. notes 2 contracts," *p. 15.*

New Zealand's Tru-Test Limited sells Cyclone Wire unit to Fletcher Steel, *p. 16.*

Rosendahl names Camarena as agent, *p. 16.*

Alcatel reports Guadeloupe project, *p. 16.*

New location for Straus-Artys Corp., *p. 16.*

Encore Wire cited by IMARK, *p. 16.*

"AMSC reports HTS wire advance, *p. 16.*

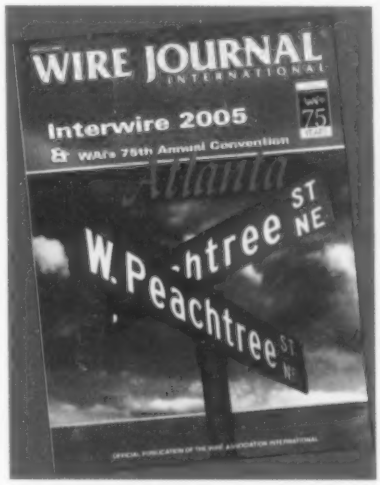
Industry News: February

Niehoff acquires rights from Hacoba, *p. 10.*

Bekaert to sell fence division to Gilde, *p. 10.*

China MOC agrees that Corning did not dump, *p. 10.*

Knill Gruppe to acquire Nextrom, *p. 10.*



Fire damages Phelps Dodge plant, *p.10.*

Charles D. Scott award winners named for 2005, dinner set for April 16, *p. 11.*

CTS to hold golf outing at Interwire, *p. 11.*

Lincoln Electric to buy J.W. Harris Co., *p. 11.*

Teijin Twaron opens Shanghai office, *p. 11.*

Nexans gets Norway contract, *p. 12.*

Danieli to upgrade 2 Gerdau steel mills, *p. 12.*

UL program aids RoHS directive, *p. 13.*

Bodine Motor notes 100th, *p. 13.*

IISI publishes 'landmark' report on world steel industry sustainability, *p. 14.*

Colorant Chromatics expansion done, *p. 14.*

Alcoa and Fujikara split joint venture, *p. 14.*

Industry News: March

Canada's Central Wire acquires Techalloy from parent company, Arcelor, *p. 10.*

GBC expands with new facility, *p. 10.*

Maryland Specialty Wire Inc. plans to close following sale that did not happen, *p. 10.*

Copperfield LLC plans expansion, *p. 11.*

DSM Desotech opens Shanghai plant, *p. 11.*

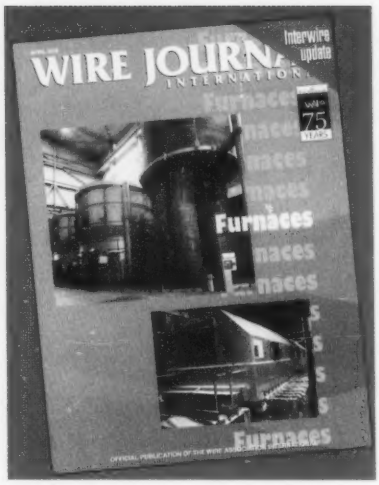
Pirelli and Furukawa joint venture in Brazil, *p. 12.*

Fiber-Line opens Netherlands office, *p. 12.*

IGS subsidiary notes that SuperPower's 2G HTS wire has commercial viability, *p. 13.*

HOWAR Eqt. reports reel order, *p. 13.*

Sonoco follows merger with plans to close French plant, buy one in China, *p. 14.*



Eng'd Machinery reports installation, *p. 14.*

Scope of Danieli bar and rod contract in Saudi Arabia plant is expanded, *p. 16.*

AECI pursues copper conductor field, p. 16.

Industry News: April

Superior Essex to enter Chinese magnet wire market, *p. 10.*

Morgan Construction reports contract in Mexico, commission Sterling Steel, *p. 10.*

Compound co. has new ownership, *p. 10.*

AWPA members hears industry updates at Scottsdale meeting, *p. 11.*

Structured cabling market study sees growth over the next five years, *p. 12.*

GMP-Slovakia names HOWAR as N.A. rep., *p. 12.*

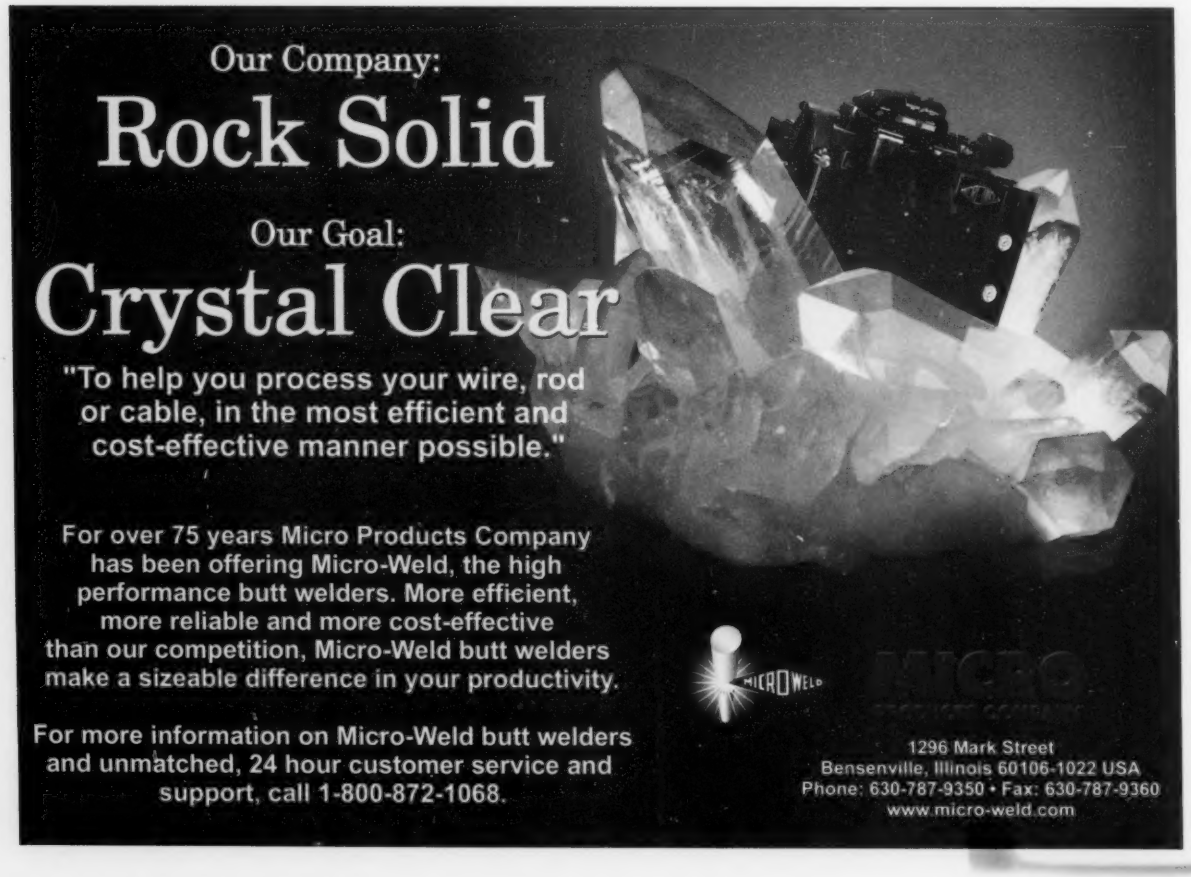
General Cable finishes purchase of Draka unit, *p. 12.*

wire Russia poised for success, *p. 14.*

Surface Combustion marks 90t, *p. 14.*

Core Furnace to supply STC furnaces to Charter Steel facility in Ohio, *p. 16.*

Delachaux displays technology at plant, *p. 16.*



CTC completes ACCC cable inst'n, *p. 16.*

Alcatel to provide upgrade to Sea-Me-We cable network, *p. 19.*

Glenro and TRCM consolidate, *p. 19.*

RadioShack to close Ft. Worth plant, *p. 19.*

SYSTIMAX system chosen by Sun Microsystem for hub in the U.K., *p. 20.*

New Boxy leader sees strength, *p. 20.*

SMI survey: good 2005 outlook, *p. 22.*

Bekaert completes fence unit sale, *p. 22.*

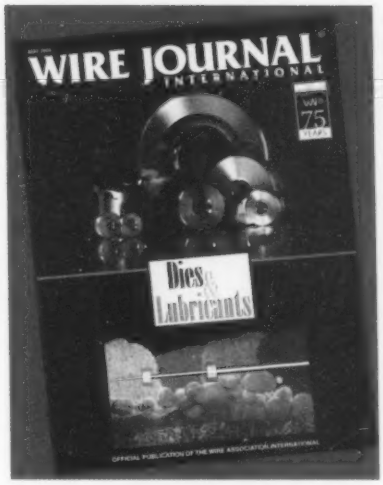
Equity group acquires tape supplier, *p. 22.*

Industry News: May

Nordic Capital to acquire Outokumpu copper unit, *p. 10.*

Mittal deal with ISG gets okay, *p. 10.*

Nextrom reports spinoff of a business unit, recent executive changes, *p. 10.*



Encore Wire Corporation plans to enter armored cable to its product line, *p. 11.*

Corning executive has mildly positive view for optical fiber this year, *p. 11.*

AMSC part of Chinese cable upgrade, *p. 12.*

Equipment supplier notes two projects, *p. 12.*

Hour by hour, Phelps Dodge Corporation proves to be a very safe place to work, *p. 14.*

Marlin Steel adds robot, *p. 14.*

Company to use grant to produce hybrid metal-polymer wire for signal wire, *p. 16.*

Study notes IP for 'triple play' service, *p. 16.*

Morgan Con.notes two contracts, *p. 18.*

SMI reports its new officers, *p. 18.*

Canadian company gets funding for cables for wind farm project, *p. 21.*

Niehoff opens Moscow office, *p. 21.*

Industry News: June

Nexans reports submarine cable job, *p. 10.*

Abstract searches free on-line, *p. 10.*

Umicore Copper to buy rod casting equipment, *p. 10.*

AMSC to provide HTS wire for power cable project, notes wind farm contract, *p. 10.*

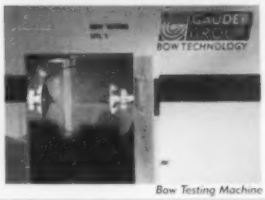
"Machine manufacturer - made"
High-Tech Customized BOWS

Come and see exhibited Bows at WIRE 2006 Düsseldorf !

GAUDER GROUP
BOW TECHNOLOGY

Achieve a higher level of **performance** and extended **lifetime**

- **55 years** of experience in Double Twist
- **400+** fitting designs for **ALL types & brands**



Bow Testing Machine

Main contact : Sophie Rondepierre

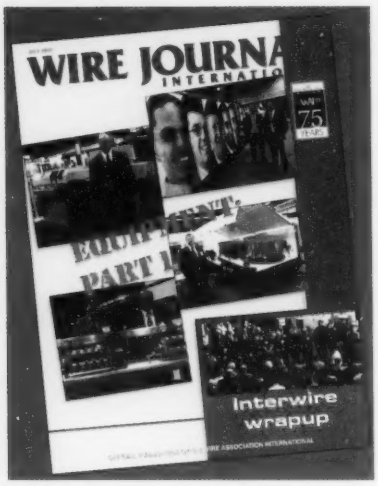
Gauder Group Bow Technology
Espace Industriel de Matel
Rue de Matel, 126
F-42300 ROANNE - France
Tél. +33 4 77 23 25 55
Fax. +33 4 77 71 10 85
bows@gaudergroup.com

Distributed in the USA by :

Gauder Group, Inc.
Tél. +1 704 599 3633
Fax. +1 704 599 5878
bows.usa@gaudergroup.com

Visit http://bows.gaudergroup.com

Ask for a FREE 30-days trial !!!



Delphi chooses GE resin for cable coating, cites multiple advantages, *p. 11.*

Engineered Machinery reports acquisition of MACBEE Engineering, *p. 12.*

IWCS and KMI to co-locate events in Rhode Island, *p. 12.*

Company gets grant to develop metal/fiber composite material, *p. 13.*

Bekaert reports good start to 2005, *p. 13.*

Rice University gets grant for cable research, *p. 14.*

Lincoln Electric buy of J.W. Harris Co. complete, *p. 14.*

Windak expands N. American office, *p. 16.*

Cortinovis America to rep. Otomec, *p. 16.*

NKT Cables buys Norwegian company, *p. 16.*

Delphi to expand scope of ignition wire sets, will offer them to the aftermarket, *p. 19.*

Nucor reports RSB commissioning, *p. 19.*

India co. to put plant in Bangladesh, *p. 19.*

Industry News: July

Pirelli to sell its cable activities to Goldman Sachs, *p. 10.*

WRCA to buy Aceros Camesa, *p. 10.*

CommScope opens broadband cable manufacturing facility in China, *p. 10.*

Bekaert acquires Belgium company, *p. 11.*

Champlain Cable notes 50th anniversary, *p. 11.*

Keystone seeks reorganization 'okay' as work continues at its plants, *p. 11.*

Outokumpu reports on new UPCAST® order from Poland, updates Iran project, *p. 14.*

Nextrom Holding reports resignation, *p. 14.*

AMSC reports Condumex contract, *p. 16.*

Ace Metal acquires welded spool line, *p. 16.*

Phelps Dodge to build specialized copper processing facility in Arizona, *p. 18.*

Nexans gets $25 million cable contract, *p. 18.*

Charter Steel Cleveland is updating its wire rod and bar mill in Ohio, *p. 20.*

Morgan to upgrade mill in India , *p. 20.*

Italy's Danieli reports on range of contracts from Italy, Mexico and China, *p. 22.*

BWE reports system commissioning, *p. 22.*

Bekaert seeks acquisition of carding wire business for $16 million, *p. 24.*

Organizer says CWTP will not be held , *p. 24.*

Morgan Con. reports U.K. contract, *p. 24.*

Teknor Apex to open Chinese offices, *p. 24.*

New equipment supplier formed in Italy offers line of enamelling , *p. 26.*

SMI cites good results for spring makers, *p. 26.*

Former industry editor offers marketing and copywriting services, *p. 26.*

Industry News: August

Nexans to supply Quinghai-Tibet railway, *p. 10.*

General Cable will close two plants, *p. 10.*

Bel Fuse acquires Prague producer of fiber optic and copper cable assemblies, *p. 10.*

Alcoa cuts will include wire harness work in Mexico, *p. 11.*

Kobe Steel to enter wire rod joint venture in China, *p. 11.*

Fang Sheng Screw expands capacity in Taiwan, uses RAD-CON technology, *p. 12.*

Italy's Danieli updates contracts in Russia Mexico and China, *p. 12.*

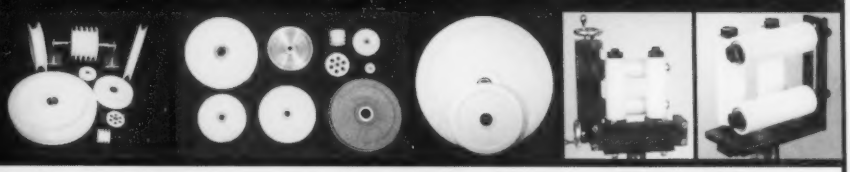
Joint venture reports that superconducting material is very cost-effective, *p. 14.*

Pakistan Cables plans substantial increase in copper rod production, *p. 14.*

Morgan Construction to upgrade Belarus steel mill, *p. 16.*

SHEAVES

STANDARD & CUSTOM PULLEYS, SHEAVES AND GUIDES FOR WIRE, CABLE, TUBING, OPTICAL FIBER, WIRE ROPE, ETC.



SHEAVES INC
PO BOX 156
MYSTIC CT 06355
TOLL FREE
Ph 866.344.6774
Fax 888.544.0168

- Diameters 1 to 50 inches
- Plain bore or bearing mounted
- Many standard sizes carried in stock
- Quick delivery on custom items
- Competitive prices
- Aluminum, steel, plastic & carbon fiber.
- Adjustable Cable Guides
- Box Rollers
- Floor Stands
- Quadrant Rollers
- V Rollers

VISIT OUR REVISED WEBSITE AT: www.eSheaves.com

CRU opens office in Beijing, plans further focus on Asian market, *p. 16.*

CommScope suit ends, agrees to royalty, *p. 18.*

Fusion UV names Rich Sales Co., as rep., *p. 18.*

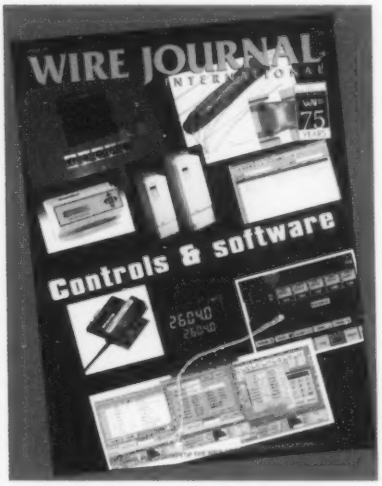
Hitachi Cable recalls premium cables, *p. 18.*

Anixter receives votes for acquisition of Infast Group, *p. 20.*

Sanlo to expand presence, has plans to make acquisitions, *p. 20.*

Industry News: September

Superior Essex agrees to enter European joint venture with Nexans, *p. 10.*



Davis-Standard acquires Merritt Extruder, *p. 10.*

Andrew Corp. reports Navy contract, *p. 10.*

Arcerlor to combine European units, *p. 11.*

MMI Products, Inc., Rettco Steel, LLC, enter alliance, *p. 11.*

Danieli reports getting major Spanish project for Siderurgica Balboa, *p. 11.*

EIC/EM Expo 05 to be held Oct. 23-26 in Indiana Convention Center, *p. 12.*

Russia's MMK upgrade progressing, plans call for exports to U.S., *p. 14.*

INCA: wire rod line is ready, *p. 14.*

Alcan acquires Prewired Systems, *p. 16.*

Morgan Construction notes order for upgrade, to hold seminar, *p. 16.*

Corus Group reports on continued progress of projects at Scunthorpe site, *p. 19.*

Davis-Standard to host basic extrusion seminar on October 4-5, *p. 19.*

Welding fumes lawsuit could have wide impact, *p. 20.*

Testing machine: record upsetter, *p. 20.*

Industry News: October

Commscope to close Scottsboro plant as part of overall changes, *p. 10.*

Southwire Company buys DeCorp, *p. 10.*

Danielli to supply Mexico rod mill, *p. 10.*

Leoni Group reports acquisition, enters joint venture, *p. 11.*

GBC to rep. Italy's PS Costruzioni, *p. 11.*

Morgan Con. to update Korean mill, *p. 11.*

IMGC subsidiary reports further superconducting performance records, *p. 12.*

Tata Steel plans to add capacity, *p. 12.*

Magtrol opens Shanghai office, *p. 14.*

Haynes Wire chooses AXIS, *p. 14.*

Nexans enters alliance with iTRACS Corp. to develop IIM solutions, *p. 16.*

Engineered Machinery notes new name, location, *p. 16.*

Furukawa opens Thailand sales sub., *p. 17.*

TMS to represent Spain's Caballe, *p. 17.*

Rosendahl opens Russia subsidiary, *p. 17.*

Industry News: November

Delphi Corp. files for bankruptcy, *p. 10*

Southwire to purchase Essex Electric plant, plans major core investments, *p. 10.*

Okonite Co. to expand, *p. 10.*

Belden CDT to restructure European operations, plans to be leaner business, *p. 11.*

Germany's SCOB celebrates 75th, *p. 12.*

Tulsa Power plans to expand facility, *p. 12.*

Nexans to open plant in Russia, *p. 12.*

Chinese cabler enters joint venture, *p. 14.*

GE Bayer Silicones to add LSR capacity," *p. 15.*

Bekaert to cut production at two Belgium plants, *p. 15.*

Shape Technology gets technology from Allegheny, *p. 15.*

IDEAL-Werk exhibition draws multiple attendees, *p. 16.*

K&S Wire Products expands facility, *p. 16.*

TMS will rep. Impact Technologies, *p. 16.*

General Cable to acquire French company for $90 million, *p. 19.*

CommScope subsidiary agrees to sell property in Nebraska for $11 million, *p. 19.*

Industry News: December

ASWC plans major capital investment in Ohio, *p. 10.*

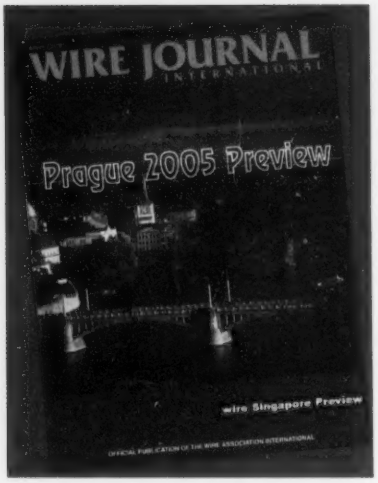
Bongard®
Machines

More than 1200 second-hand machines for the wire-, cable- and rolling mill industry

www.bongard.de

wire Düsseldorf, Germany, April 24-28, 2006

Contact us:
BONGARD TRADING
GmbH & Co. KG
Ohlweg 7 · Postfach 29
58730 Frondenberg/Germany
Tel. +49/2378/915-5
Fax +49/2378/915-300
info@bongard.de · www.bongard.de

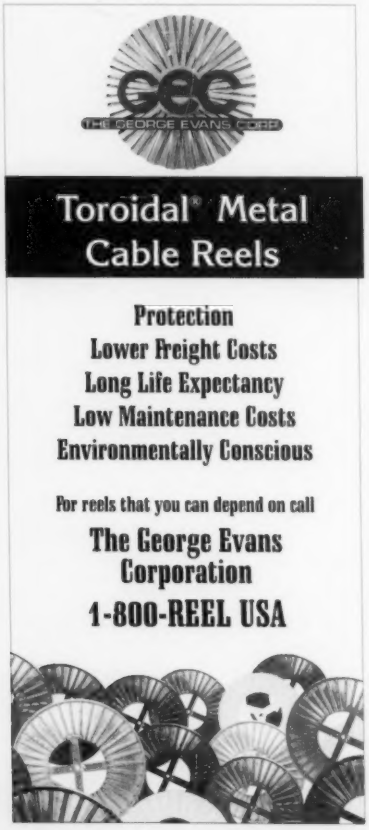


Nexans to expand N.Y. capacity, *p. 10.*

Textron to close Mississippi plant, *p. 10.*

Phelps Dodge to sell its magnet wire unit to Rea, *p. 10.*

Stelco agrees to sell wire operations to Mittal unit, *p. 11.*



Second Continuus-Properzi line sold in Russia, *p. 11.*

Knill Group completes Nextrom fiber acquisition, *p. 11.*

Borealis to expand XLPE capacity, *p. 12.*

SuperPower reports top ranking, *p. 12.*

Candow Sweden AB reacquires former operation, *p. 14.*

Superior Essex selects AXIS Computer, *p. 14.*

Morgan reports rod mill order from Spain, upgrade completion in Germany, *p. 15.*

Wayne Machine to license its technology, *p. 15.*

Electrical insulation event presented new products and educational forum, *p. 16.*

General Cable plant in Moose Jaw chosen a Top 10 Best Plant in N. America, *p. 16.*

Italy's Danieli reports on mill contracts in Germany and in Turkey, *p. 17.*

Mordica Lecture

"Steel wire and strands for the prestressing of concrete," Ed Danciger, *Nov., p. 72.*

Technical Articles:

"Nitrogen strain aging in ferritic steels," by Robert J. Glodowski, *Jan., p. 70.*

"Optimizing high-friction drawing — a mechanical perspective," by Roger N. Wright, *Jan., p. 76.*

"Surface modification of brass-coated steel cord by electro plasma technology," by P. Gupta, G. Tenhundfeld and E. O. Daigle, *Feb., p. 50.*

"Metal hydroxides for flame retardant wire and cable compounds," by Tong Chen, *Feb., p. 57.*

"Minimizing the deleterious effects of nitrogen to improve wire quality," by Bhaskar Yalamanchili, Peter Power and Mike Butler, *Feb., p. 62.*

"Temperature distribution over components with non-uniform current density," by Nasser Ghariban and Arnold E. Petsche, *Feb., p. 67.*

"Classification of wire breaks and countermeasures in superfine gold wiredrawing," by Tsutomu Yamashita and Kazunari Yoshida, *March, p. 180.*

"Comparison of competing continuous casting processes," by Joseph Meseha and George Meseha, *March, p. 185.*

"Effect of humidity of drawing environment on dynamic fatigue of polymer coated high strength silica optical fiber," by Sudipta Bhaumik, *March, p. 194.*

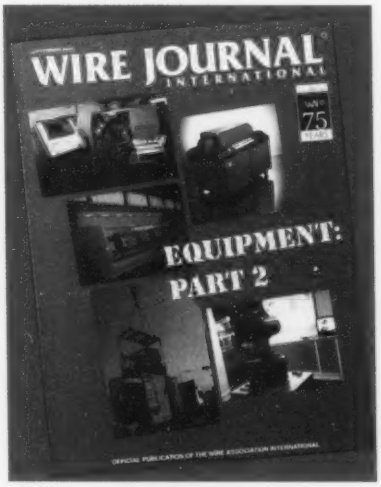
"Process simulation of drawing and cold heading processes," by John Walters, Mike Foster and Dave Lambert, *March, p. 199.*

"Copper shaft furnace melting and charging: a new approach," by Gary Spence and John Hugens, *April, p. 110.*

"Wire flaws and fracture mechanics," by Roger N. Wright, *April, p. 116.*

"Abrasion studies of automotive primary cables insulated with XLPE compounds," by J.A. Alvarez-Trevit, O. Parra and Alfonso Pérez, *April, p. 119.*

"Elevated temperature and strain rate constitutive data for process simulation," by Joseph Domblesky, Doug Jones and Klaus Gebaur, *April, p. 124.*



"Lubricant considerations in wet steel wiredrawing," by Katherine Helmetag, *May, p. 50.*

"Efficient filtration for nonferrous wire annealing and quench solution," by Lawrence El-Hindi, P.E., *May, p. 55.*

"Finite element analysis of die geometry for drawing steel wire," by R.M. Shemenski, John Walters and Michael Foster, *May, p. 60.*

"A technical review of industrial practices for decreasing the strain hardening rate of low carbon steel wire," by Bhaskar Yalamanchili, Peter M. Power and Dan Lanham, *June 2005, p. 108.*

"PVC wire covering stabilization with basic lead compounds," by Richard F. Grossman, *June 2005, p. 112.*

"Some aspects of management in wiredrawing and wire product plants," by Ryszard Budzik, Wieslaw Waszkielewicz, Bogdan Golis and Jan W. Pilarczyk, *June 2005, p. 56.*

"A technical review of industrial practices for decreasing the strain hardening rate of low carbon steel wire," by Bhaskar Yalamanchili, Peter M. Power and Dan Lanham, *July, p. 108.*

"PVC wire covering stabilization with basic lead compounds," by Richard F. Grossman, *July, p. 112.*

"Some aspects of management in wiredrawing and wire product plants," by Ryszard Budzik, Wieslaw Waszkielewicz, Bogdan Golis and Jan W. Pilarczyk, *July, p. 56.*

"Wire net reinforced polymer composites for improved toughness," by Amit Prakash, *July, p. 66.*

"FEM analysis of shrinkage fitting for fabrication of shaped cemented carbide dies with square or hexagonal cross section," Kazunari Yoshida, Noriyuki Ishizawa and Tsuneyuki Kuboi, *August, p. 72.*

"Investigations of the aging process of high carbon steel spring wires," Bogdan Golis, Jan W. Pilarczyk, Henryk Dyja, Zbigniew Muskalski and Zbigniew Blazejowski, *August, p. 75.*

Non-lead PVC stabilizers for U.S. wire and cable applications, Paul Kroushl, *August, p. 77.*

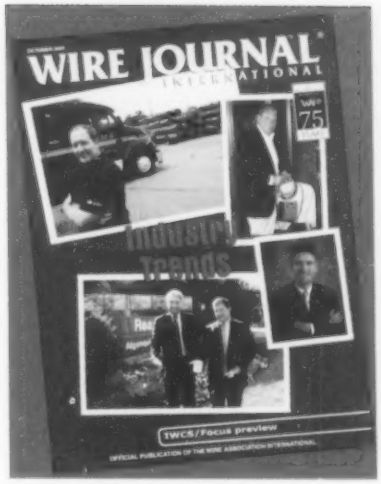
V-I characteristics and loss measurement results of HTS superconductor tapes, P. Dolgosheev, F. Ortiz, J. Sánchez, J. Yánez, José Luis Nieto Sánchez, and A. Pérez, *August, p. 80.*

"Deformation behavior of round wire in compression using a cylindrical tool and the analysis of width spreading in flat rolling," Kengo Kobayashi, Motoo Asakawa and Masaru Kobayashi, *Sept., p. 74.*

"Calculation of rope fatigue strength on the basis of mechanical properties of wires," Bogdan Golis, Jan W. Pilarczyk, Zbigniew Blazejowski, Maciej Suliga and Tomasz Malecki, *Sept., p. 80.*

"Phosphite blends in the stabilization of polyolefins," Ryan Reese, Dr. Don Stevenson and Dr. Mick Jakupca, *Sept., p. 86.*

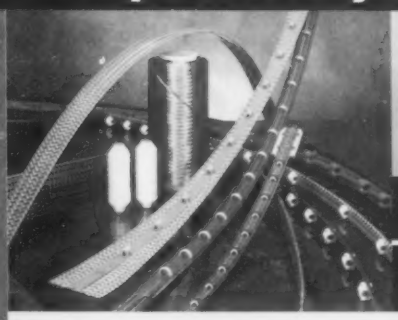
Predictive equations for the hardening by cold drawing of high carbon steel wire," L. Vázquez B., V. Andrade R., A. Delgado M., O. Sánchez A. and L.A. González R., *October, p. 67.*



"Generating a mechanism of delamination in high carbon steel wire by experimental drawing," Yohhei Suzuki, Motoo Asakawa, Hiroyuki Mizuno, Naoki Itou and Ikuo Ochiai, *October, p. 70.*

Kamatics Composite Flyer Bows

Bekaert
Caballe
Ceeco
Cortinovis
DeAngeli
Hamana
Heinrich
Kinrei
Lesmo
Miyazaki
Niehoff
Northampton
NOVA
Pourtier
Samp
Setic
Sket
Spama
TEC
Watson
Others...



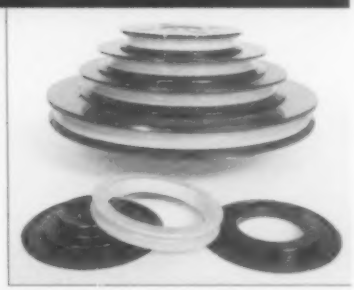
Carbide and Ceramic Bow Guides

Ceramic and Carbide Pulleys

Tired of paying high OEM prices and holding costly spare parts inventory?

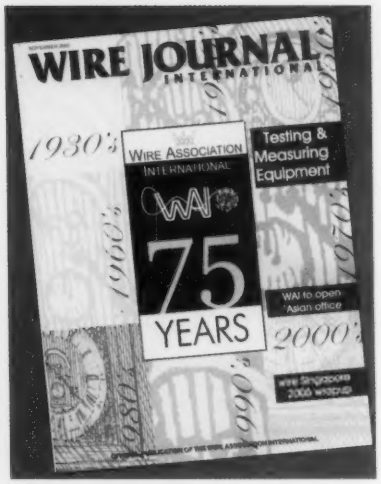
When Performance, Cost, and Reliability count...
THINK Kamatics

Let us be your storeroom for spare parts.



Kamatics Corporation
Direct: 800-529-6906
Fax: 860-769-7702
FB-Kamatics@Kaman.com

KAMAN



"Indicators of quality of wire and ropes in wire industry," Bogdan Golis, Wieslaw Waszkielewicz, Ryszard Budzik and Jan W. Pilarczyk, *October, p. 73.*

"Dr. Stewart's Memories," Don Sayenga, *Nov., p. 76.*

"Application of new indicator for strength characteristic of steel ropes," Wieslaw Waszkielewicz, Henryk Dyja, Bogdan Golis, Jan W. Pilarczyk and Ryszard Budzik, *Nov., p. 83.*

"3-D FEM analysis of roller die and hydrodynamic drawing of high carbon steel wires," Andriej Milenin, Henryk Dyja, Zbigniew Muskalski and Jan W. Pilarczyk, *Dec., p. 54.*

"The latest in multiwire processing: drawing, bobbin winding and braiding equipment," Edmond Torbey and Frank Knobloch, *Dec., p. 60.*

"Die designs for larger diameter wire," Tom Maxwell, Jr., *Dec., p. 65.*

WAI Chapter Corner

New England Chapter meeting to feature speaker and a behind-the-scenes tour of casino, *Jan., p. 36.*

Midwest Chapter holds successful workshop/plant tour in Wisconsin, *Jan., p. 36.*

Tech program set for Poland Chapter-Czestochowa University co-event, *Jan., p. 39.*

India Chapter to present technical program during wire show, *Feb., p. 32.*

Midwest Chapter elects new chapter officials for 2005, *Feb., p. 33.*

Ohio Valley Chapter announces 2005 leadership, *Feb., p. 33.*

NE Chapter meeting draws largest-ever attendance, *March, p. 37.*

India Chapter meeting includes U.S. teleconference connection, *March, p. 37.*

Midwest Chapter golf tourney set for June, *April, p. 42.*

Western Chapter names its 2005 officers, board members, *April, p. 42.*

Poland Chapter a key to recent technical program, *May, p. 34.*

WAI Midwest Chapter sets golf tourney for June 17, *May, p. 34.*

Ohio Valley Chapter to hold golf tourney in Cleveland on July 29, *June, p. 35.*

New England Chapter tourney set for Sept. 15, *June, p. 35.*

Ohio Valley Chapter golf tourney to hold its 3rd annual event this month, *July, p. 46.*

Chapter raffle is an Interwire success, *July, p. 46.*

Date set for Western Chapter golf outing, *July, p. 46.*

New England Chapter ready for September tourney, *July, p. 46.*

Poland Chapter holds April testing seminar at Czestochowa University, *July, p. 47.*

WAI News

WAI 2005: Report to members, Jan., *p. 30.*

2004 awards for winning papers at Wire Expo, ITC, *Jan., p. 31.*

2005 WAI organizational chart, *Jan., p. 34.*

Bhagwat to serve as 2005 WAI president, *Jan., p. 35.*

Fundamentals of Wire Manufacturing, Phase II: Practices, *Feb., p. 28.*

Four theme sessions to be presented at Interwire 2005, *Feb., p. 31.*

Road Show Workshop in Tampa to feature GENCA tour, *Feb., p. 31.*

Planning Committee members named for Interwire 2005, *Feb., p. 31.*

Work continues on technical program in Prague, *March, p. 32.*

Ayala joins the WAI's Board of Directors, *April, p. 45.*

Nonferrous Road Show completes first and second stops, *April, p. 48.*

Prague conference to feature wide range of presentations, *May, p. 32.*

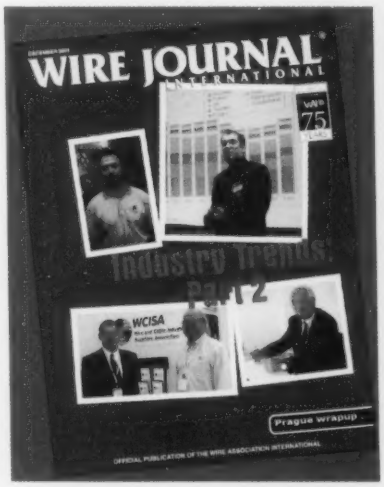
WAI President Anand Bhagwat attends IWMA meeting, *May, p. 32.*

Nonferrous Road Show completes first and second stops, *May, p. 36.*

WAI debuts on-line learning program at Interwire, *June, p. 32.*

Wirenet.org update: WAI website showing continued growth, *June, p. 33.*

Abstract searches of technical papers free to all, *June, p. 34.*



Prague ITC offers full program, tabletop exhibits, *July, p. 42.*

Award-winning industry people sought by WAI, *July, p. 45.*

India to host WAI technical conference in 2006, *July, p. 45.*